

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

 <b>Form PTO-1449</b> <b>Patent</b> <b>1997</b> <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional)		Application Number			
				08/ 835,419			
		Applicant		Fraas et al.			
		Filing Date		April 9, 1997		Group Art Unit 1312	
<b>U. S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	Translation
							YES      NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
<i>G. M. M.</i>	4. Encyclopedia Britannica, "Coke, Coking and High Temperature . . .". Vol. 5, p. 982, 1950 (U.S.A.).						
<i>G. M. M.</i>	5. Lichty, "Internal Combustion Engines", McGraw-Hill Book Co., pp. 40-47. (U.S.A.).						
<i>G. M. M.</i>	6. Tsonopoulos et al., "Thermodynamic and Transport Properties . . .", John Wiley & Sons, Chapter 10 (U.S.A.).						
EXAMINER			DATE CONSIDERED				
<i>T. Mc Maher</i>			<i>2/12/98</i>				
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**Form PTO-1449**

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

**Doctor Number (Optional)**

Sheet 5 of 5

Approximate Population  
~~of~~ 835,419

Appliances

**Filing Date** April 9, 1997

Filing Date April 9, 1997 Group Art Unit 1312

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

Gamm	7 Doss, "Physical Constants of the Principal Hydrocarbons", The Texas Co., pp. 75-89 (U.S.A.).
Gamm	8 Squires, "Reaction Paths in Donor ...", APPLIED ENERGY, Vol. 4, 1978.
Gamm	9 Howard et.al., "Coal Devolatilization for Reactor...", M.I.T., April 1981.

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<b>Form PTO-1449</b> <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		<span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">MAIL</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">62</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">JUL 29 1997</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">PAT. &amp; TRADEMARK OFF.</span>		Sheet 4 of 5 (2-92)		
		Document Number (Optional) <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">08</span> Application Number <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">835,419</span>				
		Applicant <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">Fraas et al.</span>				
		Filing Date <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">April 9, 1997</span>		Group Art Unit <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">1312</span>		
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<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>Translation</b> <input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
<i>G. McMahon</i>	10. Hessley et al., "Coal Science ...", John Wiley & Sons, pp. 91-163, (U.S.A.).					
<i>G. McMahon</i>	11. Frederick et al., "Role of the Liquids from Coal ...", ENCOAL Corp., (U.S.A.).					
<i>G. McMahon</i>	12. Howard, "Coal Pyrolysis -- Product Yields and Properties: Survey", PROCEEDINGS OF THE EPRI CONFERENCE, 1981 (U.S.A.)					
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